



IFWO

RAW SEQUENCE LISTING

DATE: 08/31/2004

PATENT APPLICATION: US/10/749,104

TIME: 15:46:39

Input Set : A:\PTO.LM.txt

Output Set: N:\CRF4\08312004\J749104.raw

5 <110> APPLICANT: Shen Zhen Tsinghua Yuanxing Bio-Pharm Science & Technology Co., Ltd.
 9 <120> TITLE OF INVENTION: Anti-Tumor Molecular Vaccine and Method of making thereof
 13 <130> FILE REFERENCE: CGCNS31755
 C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/749,104
 C--> 17 <141> CURRENT FILING DATE: 2003-12-29
 17 <150> PRIOR APPLICATION NUMBER: CN02159602.6
 18 <151> PRIOR FILING DATE: 2002-12-27
 20 <160> NUMBER OF SEQ ID NOS: 27
 24 <170> SOFTWARE: PatentIn version 3.1
 28 <210> SEQ ID NO: 1
 30 <211> LENGTH: 3633
 32 <212> TYPE: DNA
 34 <213> ORGANISM: EE(homo sapiens)
 38 <220> FEATURE:
 40 <221> NAME/KEY: CDS
 42 <222> LOCATION: (1)..(3630)
 44 <223> OTHER INFORMATION:
 W--> 48 <400> 1

49	atg cga ccc tcc ggg acg gcc ggg gca gcg ctc ctg gcg ctg ctg gct	48
50	Met Arg Pro Ser Gly Thr Ala Gly Ala Ala Leu Leu Ala Leu Leu Ala	
51	1 5 10 15	
53	gcg ctc tgc ccg gcg agt cgg gct ctg gag gaa aag aaa gtt tgc caa	96
54	Ala Leu Cys Pro Ala Ser Arg Ala Leu Glu Glu Lys Lys Val Cys Gln	
55	20 25 30	
57	ggc acg agt aac aag ctc acg cag ttg ggc act ttt gaa gat cat ttt	144
58	Gly Thr Ser Asn Lys Leu Thr Gln Leu Gly Thr Phe Glu Asp His Phe	
59	35 40 45	
61	ctc agc ctc cag agg atg ttc aat aac tgt gag gtg gtc ctt ggg aat	192
62	Leu Ser Leu Gln Arg Met Phe Asn Asn Cys Glu Val Val Leu Gly Asn	
63	50 55 60	
65	ttg gaa att acc tat gtg cag agg aat tat gat ctt tcc ttc tta aag	240
66	Leu Glu Ile Thr Tyr Val Gln Arg Asn Tyr Asp Leu Ser Phe Leu Lys	
67	65 70 75 80	
69	acc atc cag gag gtg gct ggt tat gtc ctc att gcc ctc aac aca gtg	288
70	Thr Ile Gln Glu Val Ala Gly Tyr Val Leu Ile Ala Leu Asn Thr Val	
71	85 90 95	
73	gag cga att cct ttg gaa aac ctg cag atc atc aga gga aat atg tac	336
74	Glu Arg Ile Pro Leu Glu Asn Leu Gln Ile Ile Arg Gly Asn Met Tyr	
75	100 105 110	
77	tac gaa aat tcc tat gcc tta gca gtc tta tct aac tat gat gca aat	384
78	Tyr Glu Asn Ser Tyr Ala Leu Ala Val Leu Ser Asn Tyr Asp Ala Asn	
79	115 120 125	
81	aaa acc gga ctg aag gag ctg ccc atg aga aat tta cag gaa atc ctg	432

ENTERED

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/749,104

DATE: 08/31/2004

TIME: 15:46:39

Input Set : A:\PTO.LM.txt

Output Set: N:\CRF4\08312004\J749104.raw

82	Lys	Thr	Gly	Leu	Lys	Glu	Leu	Pro	Met	Arg	Asn	Leu	Gln	Glu	Ile	Leu	
83		130					135					140					
85	cat	ggc	gcc	gtg	cgg	ttc	agc	aac	aac	cct	gcc	ctg	tgc	aac	gtg	gag	480
86	His	Gly	Ala	Val	Arg	Phe	Ser	Asn	Asn	Pro	Ala	Leu	Cys	Asn	Val	Glu	
87	145					150					155					160	
89	agc	atc	cag	tgg	cgg	gac	ata	gtc	agc	agt	gac	ttt	ctc	agc	aac	atg	528
90	Ser	Ile	Gln	Trp	Arg	Asp	Ile	Val	Ser	Ser	Asp	Phe	Leu	Ser	Asn	Met	
91						165					170					175	
93	tcg	atg	gac	ttc	cag	aac	cac	ctg	ggc	agc	tgc	caa	aag	tgt	gat	cca	576
94	Ser	Met	Asp	Phe	Gln	Asn	His	Leu	Gly	Ser	Cys	Gln	Lys	Cys	Asp	Pro	
95						180					185					190	
97	agc	tgt	ccc	aat	ggg	agc	tgc	tgg	ggt	gca	gga	gag	gag	aac	tgc	cag	624
98	Ser	Cys	Pro	Asn	Gly	Ser	Cys	Trp	Gly	Ala	Gly	Glu	Glu	Asn	Cys	Gln	
99						195					200					205	
101	aaa	ctg	acc	aaa	atc	atc	tgt	gcc	cag	cag	tgc	tcc	ggg	cgc	tgc	cgt	672
102	Lys	Leu	Thr	Lys	Ile	Ile	Cys	Ala	Gln	Gln	Cys	Ser	Gly	Arg	Cys	Arg	
103							215									220	
105	ggc	aag	tcc	ccc	agt	gac	tgc	tgc	cac	aac	cag	tgt	gct	gca	ggc	tgc	720
106	Gly	Lys	Ser	Pro	Ser	Asp	Cys	Cys	His	Asn	Gln	Cys	Ala	Ala	Gly	Cys	
107	225					230					235					240	
109	aca	ggc	ccc	cgg	gag	agc	gac	tgc	ctg	gtc	tgc	cgc	aaa	ttc	cga	gac	768
110	Thr	Gly	Pro	Arg	Glu	Ser	Asp	Cys	Leu	Val	Cys	Arg	Lys	Phe	Arg	Asp	
111						245					250					255	
113	gaa	gcc	acg	tgc	aag	gac	acc	tgc	ccc	cca	ctc	atg	ctc	tac	aac	ccc	816
114	Glu	Ala	Thr	Cys	Lys	Asp	Thr	Cys	Pro	Pro	Leu	Met	Leu	Tyr	Asn	Pro	
115						260					265					270	
117	acc	acg	tac	cag	atg	gat	gtg	aac	ccc	gag	ggc	aaa	tac	agc	ttt	ggt	864
118	Thr	Thr	Tyr	Gln	Met	Asp	Val	Asn	Pro	Glu	Gly	Lys	Tyr	Ser	Phe	Gly	
119						275					280					285	
121	gcc	acc	tgc	gtg	aag	aag	tgt	ccc	cgt	aat	tat	gtg	gtg	aca	gat	cac	912
122	Ala	Thr	Cys	Val	Lys	Lys	Cys	Pro	Arg	Asn	Tyr	Val	Val	Thr	Asp	His	
123						290										300	
125	ggc	tcg	tgc	gtc	cga	gcc	tgt	ggg	gcc	gac	agc	tat	gag	atg	gag	gaa	960
126	Gly	Ser	Cys	Val	Arg	Ala	Cys	Gly	Ala	Asp	Ser	Tyr	Glu	Met	Glu	Glu	
127	305					310					315					320	
129	gac	ggc	gtc	cgc	aag	tgt	aag	aag	tgc	gaa	ggg	cct	tgc	cgc	aaa	gtg	1008
130	Asp	Gly	Val	Arg	Lys	Cys	Lys	Lys	Cys	Glu	Gly	Pro	Cys	Arg	Lys	Val	
131						325					330					335	
133	tgt	aac	gga	ata	ggt	att	ggt	gaa	ttt	aaa	gac	tca	ctc	tcc	ata	aat	1056
134	Cys	Asn	Gly	Ile	Gly	Ile	Gly	Glu	Phe	Lys	Asp	Ser	Leu	Ser	Ile	Asn	
135						340					345					350	
137	gct	acg	aat	att	aaa	cac	ttc	aaa	aac	tgc	acc	tcc	atc	agt	ggc	gat	1104
138	Ala	Thr	Asn	Ile	Lys	His	Phe	Lys	Asn	Cys	Thr	Ser	Ile	Ser	Gly	Asp	
139						355					360					365	
141	ctc	cac	atc	ctg	ccg	gtg	gca	ttt	agg	ggt	gac	tcc	ttc	aca	cat	act	1152
142	Leu	His	Ile	Leu	Pro	Val	Ala	Phe	Arg	Gly	Asp	Ser	Phe	Thr	His	Thr	
143						370					375					380	
145	cct	cct	ctg	gat	cca	cag	gaa	ctg	gat	att	ctg	aaa	acc	gta	aag	gaa	1200
146	Pro	Pro	Leu	Asp	Pro	Gln	Glu	Leu	Asp	Ile	Leu	Lys	Thr	Val	Lys	Glu	

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/749,104

DATE: 08/31/2004

TIME: 15:46:39

Input Set : A:\PTO.LM.txt

Output Set: N:\CRF4\08312004\J749104.raw

147	385		390		395		400										
149	atc	aca	ggg	ttt	ttg	ctg	att	cag	gct	tgg	cct	gaa	aac	agg	acg	gac	1248
150	Ile	Thr	Gly	Phe	Leu	Leu	Ile	Gln	Ala	Trp	Pro	Glu	Asn	Arg	Thr	Asp	
151				405						410					415		
153	ctc	cat	gcc	ttt	gag	aac	cta	gaa	atc	ata	cgc	ggc	agg	acc	aag	caa	1296
154	Leu	His	Ala	Phe	Glu	Asn	Leu	Glu	Ile	Ile	Arg	Gly	Arg	Thr	Lys	Gln	
155				420						425					430		
157	cat	ggt	cag	ttt	tct	ctt	gca	gtc	gtc	agc	ctg	aac	ata	aca	tcc	ttg	1344
158	His	Gly	Gln	Phe	Ser	Leu	Ala	Val	Val	Ser	Leu	Asn	Ile	Thr	Ser	Leu	
159				435						440					445		
161	gga	tta	cgc	tcc	ctc	aag	gag	ata	agt	gat	gga	gat	gtg	ata	att	tca	1392
162	Gly	Leu	Arg	Ser	Leu	Lys	Glu	Ile	Ser	Asp	Gly	Asp	Val	Ile	Ile	Ser	
163				450						455					460		
165	gga	aac	aaa	aat	ttg	tgc	tat	gca	aat	aca	ata	aac	tgg	aaa	aaa	ctg	1440
166	Gly	Asn	Lys	Asn	Leu	Cys	Tyr	Ala	Asn	Thr	Ile	Asn	Trp	Lys	Lys	Leu	
167	465					470					475				480		
169	ttt	ggg	acc	tcc	ggt	cag	aaa	acc	aaa	att	ata	agc	aac	aga	ggt	gaa	1488
170	Phe	Gly	Thr	Ser	Gly	Gln	Lys	Thr	Lys	Ile	Ile	Ser	Asn	Arg	Gly	Glu	
171					485					490					495		
173	aac	agc	tgc	aag	gcc	aca	ggc	cag	gtc	tgc	cat	gcc	ttg	tgc	tcc	ccc	1536
174	Asn	Ser	Cys	Lys	Ala	Thr	Gly	Gln	Val	Cys	His	Ala	Leu	Cys	Ser	Pro	
175				500						505					510		
177	gag	ggc	tgc	tgg	ggc	ccg	gag	ccc	agg	gac	tgc	gtc	tct	tgc	cgg	aat	1584
178	Glu	Gly	Cys	Trp	Gly	Pro	Glu	Pro	Arg	Asp	Cys	Val	Ser	Cys	Arg	Asn	
179				515						520					525		
181	gtc	agc	cga	ggc	agg	gaa	tgc	gtg	gac	aag	tgc	aac	ctt	ctg	gag	ggt	1632
182	Val	Ser	Arg	Gly	Arg	Glu	Cys	Val	Asp	Lys	Cys	Asn	Leu	Leu	Glu	Gly	
183				530						535					540		
185	gag	cca	agg	gag	ttt	gtg	gag	aac	tct	gag	tgc	ata	cag	tgc	cac	cca	1680
186	Glu	Pro	Arg	Glu	Phe	Val	Glu	Asn	Ser	Glu	Cys	Ile	Gln	Cys	His	Pro	
187	545					550					555				560		
189	gag	tgc	ctg	cct	cag	gcc	atg	aac	atc	acc	tgc	aca	gga	cgg	gga	cca	1728
190	Glu	Cys	Leu	Pro	Gln	Ala	Met	Asn	Ile	Thr	Cys	Thr	Gly	Arg	Gly	Pro	
191					565					570					575		
193	gac	aac	tgt	atc	cag	tgt	gcc	cac	tac	att	gac	ggc	ccc	cac	tgc	gtc	1776
194	Asp	Asn	Cys	Ile	Gln	Cys	Ala	His	Tyr	Ile	Asp	Gly	Pro	His	Cys	Val	
195				580						585					590		
197	aag	acc	tgc	ccg	gca	gga	gtc	atg	gga	gaa	aac	aac	acc	ctg	gtc	tgg	1824
198	Lys	Thr	Cys	Pro	Ala	Gly	Val	Met	Gly	Glu	Asn	Asn	Thr	Leu	Val	Trp	
199				595						600					605		
201	aag	tac	gca	gac	gcc	ggc	cat	gtg	tgc	cac	ctg	tgc	cat	cca	aac	tgc	1872
202	Lys	Tyr	Ala	Asp	Ala	Gly	His	Val	Cys	His	Leu	Cys	His	Pro	Asn	Cys	
203				610						615					620		
205	acc	tac	gga	tgc	act	ggg	cca	ggt	ctt	gaa	ggc	tgt	cca	acg	aat	ggg	1920
206	Thr	Tyr	Gly	Cys	Thr	Gly	Pro	Gly	Leu	Glu	Gly	Cys	Pro	Thr	Asn	Gly	
207	625					630					635				640		
209	cct	aag	atc	ccg	tcc	atc	gcc	act	ggg	atg	gtg	ggg	gcc	ctc	ctc	ttg	1968
210	Pro	Lys	Ile	Pro	Ser	Ile	Ala	Thr	Gly	Met	Val	Gly	Ala	Leu	Leu	Leu	
211					645					650					655		

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/749,104

DATE: 08/31/2004

TIME: 15:46:39

Input Set : A:\PTO.LM.txt

Output Set: N:\CRF4\08312004\J749104.raw

213	ctg	ctg	gtg	gtg	gcc	ctg	ggg	atc	ggc	ctc	ttc	atg	cga	agg	cgc	cac	2016
214	Leu	Leu	Val	Val	Ala	Leu	Gly	Ile	Gly	Leu	Phe	Met	Arg	Arg	Arg	His	
215				660					665					670			
217	atc	gtt	cgg	aag	cgc	acg	ctg	cgg	agg	ctg	ctg	cag	gag	agg	gag	ctt	2064
218	Ile	Val	Arg	Lys	Arg	Thr	Leu	Arg	Arg	Leu	Leu	Gln	Glu	Arg	Glu	Leu	
219			675				680					685					
221	gtg	gag	cct	ctt	aca	ccc	agt	gga	gaa	gct	ccc	aac	caa	gct	ctc	ttg	2112
222	Val	Glu	Pro	Leu	Thr	Pro	Ser	Gly	Glu	Ala	Pro	Asn	Gln	Ala	Leu	Leu	
223		690					695				700						
225	agg	atc	ttg	aag	gaa	act	gaa	ttc	aaa	aag	atc	aaa	gtg	ctg	ggc	tcc	2160
226	Arg	Ile	Leu	Lys	Glu	Thr	Glu	Phe	Lys	Lys	Ile	Lys	Val	Leu	Gly	Ser	
227	705					710					715				720		
229	ggt	gcg	ttc	ggc	acg	gtg	tat	aag	gga	ctc	tgg	atc	cca	gaa	ggt	gag	2208
230	Gly	Ala	Phe	Gly	Thr	Val	Tyr	Lys	Gly	Leu	Trp	Ile	Pro	Glu	Gly	Glu	
231				725						730					735		
233	aaa	gtt	aaa	att	ccc	gtc	gct	atc	aag	gaa	tta	aga	gaa	gca	aca	tct	2256
234	Lys	Val	Lys	Ile	Pro	Val	Ala	Ile	Lys	Glu	Leu	Arg	Glu	Ala	Thr	Ser	
235			740						745					750			
237	ccg	aaa	gcc	aac	aag	gaa	atc	ctc	gat	gaa	gcc	tac	gtg	atg	gcc	agc	2304
238	Pro	Lys	Ala	Asn	Lys	Glu	Ile	Leu	Asp	Glu	Ala	Tyr	Val	Met	Ala	Ser	
239		755					760					765					
241	gtg	gac	aac	ccc	cac	gtg	tgc	cgc	ctg	ctg	ggc	atc	tgc	ctc	acc	tcc	2352
242	Val	Asp	Asn	Pro	His	Val	Cys	Arg	Leu	Leu	Gly	Ile	Cys	Leu	Thr	Ser	
243		770					775					780					
245	acc	gtg	cag	ctc	atc	acg	cag	ctc	atg	ccc	ttc	ggc	tgc	ctc	ctg	gac	2400
246	Thr	Val	Gln	Leu	Ile	Thr	Gln	Leu	Met	Pro	Phe	Gly	Cys	Leu	Leu	Asp	
247	785					790					795				800		
249	tat	gtc	cgg	gaa	cac	aaa	gac	aat	att	ggc	tcc	cag	tac	ctg	ctc	aac	2448
250	Tyr	Val	Arg	Glu	His	Lys	Asp	Asn	Ile	Gly	Ser	Gln	Tyr	Leu	Leu	Asn	
251			805						810					815			
253	tgg	tgt	gtg	cag	atc	gca	aag	ggc	atg	aac	tac	ttg	gag	gac	cgt	cgc	2496
254	Trp	Cys	Val	Gln	Ile	Ala	Lys	Gly	Met	Asn	Tyr	Leu	Glu	Asp	Arg	Arg	
255			820						825					830			
257	ttg	gtg	cac	cgc	gac	ctg	gca	gcc	agg	aac	gta	ctg	gtg	aaa	aca	ccg	2544
258	Leu	Val	His	Arg	Asp	Leu	Ala	Ala	Arg	Asn	Val	Leu	Val	Lys	Thr	Pro	
259		835					840					845					
261	cag	cat	gtc	aag	atc	aca	gat	ttt	ggg	ctg	gcc	aaa	ctg	ctg	ggt	gcg	2592
262	Gln	His	Val	Lys	Ile	Thr	Asp	Phe	Gly	Leu	Ala	Lys	Leu	Leu	Gly	Ala	
263		850					855					860					
265	gaa	gag	aaa	gaa	tac	cat	gca	gaa	gga	ggc	aaa	gtg	cct	atc	aag	tgg	2640
266	Glu	Glu	Lys	Glu	Tyr	His	Ala	Glu	Gly	Gly	Lys	Val	Pro	Ile	Lys	Trp	
267	865					870				875					880		
269	atg	gca	ttg	gaa	tca	att	tta	cac	aga	atc	tat	acc	cac	cag	agt	gat	2688
270	Met	Ala	Leu	Glu	Ser	Ile	Leu	His	Arg	Ile	Tyr	Thr	His	Gln	Ser	Asp	
271			885						890					895			
273	gtc	tgg	agc	tac	ggg	gtg	acc	gtt	tgg	gag	ttg	atg	acc	ttt	gga	tcc	2736
274	Val	Trp	Ser	Tyr	Gly	Val	Thr	Val	Trp	Glu	Leu	Met	Thr	Phe	Gly	Ser	
275			900						905					910			
277	aag	cca	tat	gac	gga	atc	cct	gcc	agc	gag	atc	tcc	tcc	atc	ctg	gag	2784

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/749,104

DATE: 08/31/2004

TIME: 15:46:39

Input Set : A:\PTO.LM.txt

Output Set: N:\CRF4\08312004\J749104.raw

278	Lys	Pro	Tyr	Asp	Gly	Ile	Pro	Ala	Ser	Glu	Ile	Ser	Ser	Ile	Leu	Glu	
279			915					920					925				
281	aaa	gga	gaa	cgc	ctc	cct	cag	cca	ccc	ata	tgt	acc	atc	gat	gtc	tac	2832
282	Lys	Gly	Glu	Arg	Leu	Pro	Gln	Pro	Pro	Ile	Cys	Thr	Ile	Asp	Val	Tyr	
283		930					935					940					
285	atg	atc	atg	gtc	aag	tgc	tgg	atg	ata	gac	gca	gat	agt	cgc	cca	aag	2880
286	Met	Ile	Met	Val	Lys	Cys	Trp	Met	Ile	Asp	Ala	Asp	Ser	Arg	Pro	Lys	
287	945					950				955					960		
289	ttc	cgt	gag	ttg	atc	atc	gaa	ttc	tcc	aaa	atg	gcc	cga	gac	ccc	cag	2928
290	Phe	Arg	Glu	Leu	Ile	Ile	Glu	Phe	Ser	Lys	Met	Ala	Arg	Asp	Pro	Gln	
291					965					970				975			
293	cgc	tac	ctt	gtc	att	cag	ggg	gat	gaa	aga	atg	cat	ttg	cca	agt	cct	2976
294	Arg	Tyr	Leu	Val	Ile	Gln	Gly	Asp	Glu	Arg	Met	His	Leu	Pro	Ser	Pro	
295			980					985					990				
297	aca	gac	tcc	aac	ttc	tac	cgt	gcc	ctg	atg	gat	gaa	gaa	gac	atg	gac	3024
298	Thr	Asp	Ser	Asn	Phe	Tyr	Arg	Ala	Leu	Met	Asp	Glu	Glu	Asp	Met	Asp	
299		995					1000					1005					
301	gac	gtg	gtg	gat	gcc	gac	gag	tac	ctc	atc	cca	cag	cag	ggc	ttc		3069
302	Asp	Val	Val	Asp	Ala	Asp	Glu	Tyr	Leu	Ile	Pro	Gln	Gln	Gly	Phe		
303		1010					1015					1020					
305	ttc	agc	agc	ccc	tcc	acg	tca	cgg	act	ccc	ctc	ctg	agc	tct	ctg		3114
306	Phe	Ser	Ser	Pro	Ser	Thr	Ser	Arg	Thr	Pro	Leu	Leu	Ser	Ser	Leu		
307		1025					1030					1035					
309	agt	gca	acc	agc	aac	aat	tcc	acc	gtg	gct	tgc	att	gat	aga	aat		3159
310	Ser	Ala	Thr	Ser	Asn	Asn	Ser	Thr	Val	Ala	Cys	Ile	Asp	Arg	Asn		
311		1040					1045					1050					
313	ggg	ctg	caa	agc	tgt	ccc	atc	aag	gaa	gac	agc	ttc	ttg	cag	cga		3204
314	Gly	Leu	Gln	Ser	Cys	Pro	Ile	Lys	Glu	Asp	Ser	Phe	Leu	Gln	Arg		
315		1055					1060					1065					
317	tac	agc	tca	gac	ccc	aca	ggc	gcc	ttg	act	gag	gac	agc	ata	gac		3249
318	Tyr	Ser	Ser	Asp	Pro	Thr	Gly	Ala	Leu	Thr	Glu	Asp	Ser	Ile	Asp		
319		1070					1075					1080					
321	gac	acc	ttc	ctc	cca	gtg	cct	gaa	tac	ata	aac	cag	tcc	gtt	ccc		3294
322	Asp	Thr	Phe	Leu	Pro	Val	Pro	Glu	Tyr	Ile	Asn	Gln	Ser	Val	Pro		
323		1085					1090					1095					
325	aaa	agg	ccc	gct	ggc	tct	gtg	cag	aat	cct	gtc	tat	cac	aat	cag		3339
326	Lys	Arg	Pro	Ala	Gly	Ser	Val	Gln	Asn	Pro	Val	Tyr	His	Asn	Gln		
327		1100					1105					1110					
329	cct	ctg	aac	ccc	gcg	ccc	agc	aga	gac	cca	cac	tac	cag	gac	ccc		3384
330	Pro	Leu	Asn	Pro	Ala	Pro	Ser	Arg	Asp	Pro	His	Tyr	Gln	Asp	Pro		
331		1115					1120					1125					
333	cac	agc	act	gca	gtg	ggc	aac	ccc	gag	tat	ctc	aac	act	gtc	cag		3429
334	His	Ser	Thr	Ala	Val	Gly	Asn	Pro	Glu	Tyr	Leu	Asn	Thr	Val	Gln		
335		1130					1135					1140					
337	ccc	acc	tgt	gtc	aac	agc	aca	ttc	gac	agc	cct	gcc	cac	tgg	gcc		3474
338	Pro	Thr	Cys	Val	Asn	Ser	Thr	Phe	Asp	Ser	Pro	Ala	His	Trp	Ala		
339		1145					1150					1155					
341	cag	aaa	ggc	agc	cac	caa	att	agc	ctg	gac	aac	cct	gac	tac	cag		3519
342	Gln	Lys	Gly	Ser	His	Gln	Ile	Ser	Leu	Asp	Asn	Pro	Asp	Tyr	Gln		

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/749,104

DATE: 08/31/2004

TIME: 15:46:40

Input Set : A:\PTO.LM.txt

Output Set: N:\CRF4\08312004\J749104.raw

L:17 M:270 C: Current Application Number differs, Replaced Current Application No
L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:48 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:44
L:698 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:694
L:1068 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:1064
L:1462 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:7,Line#:1458
L:1816 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:9,Line#:1812
L:2058 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:11,Line#:2054
L:2564 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:13,Line#:2560
L:3214 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:15,Line#:3210
L:3576 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:17,Line#:3572
L:3938 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:19,Line#:3934
L:4300 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:21,Line#:4296
L:5122 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:24,Line#:5118
L:5794 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:26,Line#:5790